

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2001-001476**

(43)Date of publication of application : **09.01.2001**

(51)Int.Cl. **B32B 27/36**

B32B 9/00

B32B 27/20

B65D 1/09

// B29C 49/08

B29L 22:00

(21)Application number : **11-176552** (71)Applicant : **SHOWA DENKO KK**
SHOWA ALUMINUM KAN
KK

(22)Date of filing : **23.06.1999** (72)Inventor : **NAGAO TAKESHI**
TAMURA TAKASHI
MIYAUCHI OTOHIKO
ONISHI KENSUKE

(54) GAS BARRIER BIAXIALY STRETCHED BLOW BOTTLE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a gas barrier biaxially stretched blow bottle light in wt., high in rigidity, having heat resistance and enhanced in transparency, impact resistance, gas barrier properties and productivity by using a polyester resin as a structural resin and using MXD 6 excellent in processability in an intermediate layer as a barrier resin.

SOLUTION: A gas barrier biaxially stretched blow bottle comprises three layers of polyester resin/barrier resin/polyester resin. In this case, the barrier resin of an intermediate layer contains 0.1-10 wt.% of a silicate composite, which is obtained by the ion exchange reaction with a positive charge org. compd., in such a state that 10% or more (number) of the composite is finely dispersed in a form of an aspect ratio of 200 or more.
